

OIPE

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/724,693

DATE: 12/08/2000  
 TIME: 14:38:15

Input Set : A:\402gseq.001  
 Output Set: N:\CRF3\12082000\I724693.raw

Does Not Comply  
 Corrected Diskette Needed  
 See pp. 2, 3

## SEQUENCE LISTING

C--> 4 (1) GENERAL INFORMATION:  
 6 (i) APPLICANT: Hadlaczky, Gyula  
 7 Szalay, Aladar  
 C--> 9 (ii) TITLE OF INVENTION: ARTIFICIAL CHROMOSOMES, USES THEREOF  
 10 AND METHODS FOR PREPARING ARTIFICIAL CHROMOSOMES  
 12 (iii) NUMBER OF SEQUENCES: 34  
 14 (iv) CORRESPONDENCE ADDRESS:  
 15 (A) ADDRESSEE: Heller Ehrman White & McAuliffe  
 16 (B) STREET: 4250 Executive Square, 7th Floor  
 17 (C) CITY: La Jolla  
 18 (D) STATE: CA  
 19 (E) COUNTRY: USA  
 20 (F) ZIP: 92037  
 22 (v) COMPUTER READABLE FORM:  
 23 (A) MEDIUM TYPE: Diskette  
 24 (B) COMPUTER: IBM Compatible  
 25 (C) OPERATING SYSTEM: DOS  
 26 (D) SOFTWARE: FastSEQ Version 1.5  
 28 (vi) CURRENT APPLICATION DATA:  
 C--> 29 (A) APPLICATION NUMBER: US/09/724,693  
 C--> 30 (B) FILING DATE: 28-Nov-2000  
 50 (C) CLASSIFICATION:  
 C--> 47 (vii) PRIOR APPLICATION DATA:  
 33 (A) APPLICATION NUMBER: 08/835,682  
 34 (B) FILING DATE: 10-APR-1997  
 38 (A) APPLICATION NUMBER: 08/695,191  
 39 (B) FILING DATE: 07-AUG-1996  
 43 (A) APPLICATION NUMBER: 08/682,080  
 44 (B) FILING DATE: 15-JUL-1996  
 48 (A) APPLICATION NUMBER: 08/629,822  
 49 (B) FILING DATE: 10-APR-1996  
 52 (viii) ATTORNEY/AGENT INFORMATION:  
 53 (A) NAME: Seidman, Stephanie L.  
 54 (B) REGISTRATION NUMBER: 33,779  
 55 (C) REFERENCE/DOCKET NUMBER: 24601-402G  
 58 (ix) TELECOMMUNICATION INFORMATION:  
 59 (A) TELEPHONE: 858-450-8403  
 60 (B) TELEFAX: 858-587-5360  
 61 (C) TELEX:

## ERRORED SEQUENCES

239 (2) INFORMATION FOR SEQ ID NO: 6:  
 241 (i) SEQUENCE CHARACTERISTICS:  
 242 (A) LENGTH: 47 base pairs

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243 (B) TYPE: nucleic acid  
 244 (C) STRANDEDNESS: single  
 245 (D) TOPOLOGY: linear  
 W--> 247 (ii) MOLECULE TYPE: RNA  
 248 (iii) HYPOTHETICAL: NO  
 C--> 249 (iv) ANTI-SENSE: NO  
 W--> 250 ~~(v) FRAGMENT TYPE:~~  
 251 ~~(vi) ORIGINAL SOURCE:~~  
 252 ~~(ix) FEATURE:~~  
 254 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:  
 E--> 256 CCGCTTAATA CTCTGATGAG TCCGTGAGGA CGAAACGCTC TCGCACC

RNA sequence cannot contain "T's",  
 only A, C, G, or U.

Not needed if there is no response.

47 missing "end of line"  
 nucleic base number

9/724, 693

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(2) INFORMATION FOR SEQ ID NO:10:

(i) SEQUENCE CHARACTERISTICS:

Seg # 10

- (A) LENGTH: 945 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(vi) ORIGINAL SOURCE:

(ix) FEATURE:

- (A) NAME/KEY: Coding Sequence
- (B) LOCATION: 1...942
- (D) OTHER INFORMATION: Renilla Reinformis Luciferase

(x) PUBLICATION INFORMATION:

~~PATENT NO.~~ 5,418,155 → should be preceded by (H) Document  
Number:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/724,693

DATE: 12/08/2000

TIME: 14:38:17

Input Set : A:\402gseq.001

Output Set: N:\CRF3\12082000\I724693.raw

L:4 M:220 C: Keyword misspelled or invalid format, [(1) GENERAL INFORMATION:]  
L:9 M:220 C: Keyword misspelled or invalid format, [(ii) TITLE OF INVENTION:]  
L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:32 M:220 C: Keyword misspelled or invalid format, [(vii) PRIOR APPLICATION DATA:]  
L:37 M:220 C: Keyword misspelled or invalid format, [(vii) PRIOR APPLICATION DATA:]  
L:42 M:220 C: Keyword misspelled or invalid format, [(vii) PRIOR APPLICATION DATA:]  
L:47 M:220 C: Keyword misspelled or invalid format, [(vii) PRIOR APPLICATION DATA:]  
L:73 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:78 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=1, Value=[]  
L:74 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=1, Value=[]  
L:113 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:118 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=2, Value=[]  
L:114 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=2, Value=[]  
L:151 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:156 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=3, Value=[]  
L:152 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=3, Value=[]  
L:211 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:216 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=4, Value=[]  
L:212 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=4, Value=[]  
L:230 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:235 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=5, Value=[]  
L:231 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=5, Value=[]  
L:249 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:254 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=6, Value=[]  
L:247 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=6, Value=[RNA]  
L:250 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=6, Value=[]  
L:256 M:254 E: No. of Bases conflict, Input:0 Counted:47 SEQ:6  
L:270 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:275 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=7, Value=[]  
L:271 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=7, Value=[]  
L:290 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:295 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=8, Value=[]  
L:291 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=8, Value=[]  
L:308 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:308 M:220 C: Keyword misspelled or invalid format, Poss data loss, Seq 9, (D) OTHER INFORMATION:  
L:339 M:243 E: Alpha Header Field expected, Data=[PATENT NO.: 5,418,155]  
L:341 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=10, Value=[]  
L:433 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:438 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=11, Value=[]  
L:434 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=11, Value=[]  
L:452 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:457 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=12, Value=[]  
L:453 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=12, Value=[]  
L:471 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:472 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=13, Value=[]  
L:512 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:513 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=14, Value=[]

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L:553 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:554 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=15, Value=[]  
L:593 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:594 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=16, Value=[]  
L:979 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:980 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=17, Value=[]  
L:1713 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:1714 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=18, Value=[]  
L:1734 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:1735 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=19, Value=[]  
L:1764 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:1765 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=20, Value=[]  
L:1789 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:1790 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=21, Value=[]  
L:1813 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:1814 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=22, Value=[]  
L:1837 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:1838 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=23, Value=[]  
L:1866 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:1867 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=24, Value=[]  
L:1896 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:1897 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=25, Value=[]  
L:1914 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:1915 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=26, Value=[]  
L:1932 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:1933 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=27, Value=[]  
L:1950 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:1951 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=28, Value=[]  
L:1968 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:1969 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=29, Value=[]  
L:1987 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:1988 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=30, Value=[]  
L:2005 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:2006 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=31, Value=[]  
L:2023 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:2024 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=32, Value=[]  
L:2041 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:2042 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=33, Value=[]  
L:2059 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]  
L:2060 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=34, Value=[]